
PHYSICAL MODEL

FOR PROJECT

MODEL

MySQL 5.6

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Version

Created: 25.4.2021
Last Modified: 14.1.2022

Model Description

Entity Report

Full Name	Primary Key	# Attributes
Hodnoty	idHodnoty, idUzivatel, idMereni	6
Karty	idKarty, idUzivatel, idMineralniFaze	12
Mereni	idMereni, idUzivatel, idMetody, idKarty	7
Metody	idMetody, idUzivatel	9
MineralniFaze	idMineralniFaze, idUzivatel	6
Opraveni	idOpraveni, idUzivatel	6
Prilohy	idPrilohy, idUzivatel	11
SpojeniUzivatelOpraveni	idUzivatel, idOpraveni, idUzivatelAutor	5
Uzivatele	idUzivatel	7

Entity 'Hodnoty'

Caption	Hodnoty
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key12'

Attribute		Type	Parent Entity					
idHodnoty		PK	-----					
idUzivatel		PFK	Uzivatele					
idMereni		PFK	Mereni, Mereni, Mereni, Mereni					
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idHodnoty		Int(11)	YES	YES	NO	NO	
	x		Float	YES	NO	NO	NO	
	y		Float	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
PFK	idMereni		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorHodnoty	Identifying	Uzivatele	Hodnoty	1:N
MereniMaHodnoty	Identifying	Mereni	Hodnoty	1:N

Keys

Type	Full Name	Attributes
PK	Key12	idHodnoty, idUzivatel, idMereni
AK	idHodnoty	idHodnoty

Entity 'Karty'

Caption	Karty
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key21'

Attribute		Type	Parent Entity
idKarty		PK	-----
idUzivatel		PFK	Uzivatele
idMineralniFaze		PFK	MineralniFaze, MineralniFaze

Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idKarty		Int(11)	YES	NO	NO	NO	
	nazev		Varchar(500)	YES	NO	NO	NO	
	lokalita		Text	NO	NO	NO	NO	
	gpsX		Double	NO	NO	NO	NO	
	gpsY		Double	NO	NO	NO	NO	
	presnost		Double	NO	NO	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	popis		Text	NO	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
	datum		Datetime(0)	YES	NO	NO	NO	
	platnost		Bool	YES	NO	NO	NO	
PFK	idMineralni Faze		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
maPrilohy	Non-identifying	Karty	Prilohy	1:N
autorKarty	Identifying	Uzivatele	Karty	1:N
kartaMaMereni	Identifying	Karty	Mereni	1:N
kartaMaMineralniFazi	Identifying	MineralniFaze	Karty	1:N

Entity 'Mereni'

Caption	Mereni
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key8'

Attribute	Type	Parent Entity
idMereni	PK	-----
idUzivatel	PFK	Uzivatele
idMetody	PFK	Metody, Metody
idKarty	PFK	Karty, Karty, Karty

Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idMereni		Int(11)	YES	YES	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
	poznamka		Text	NO	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
PFK	idMetody		Int(11)	YES	NO	NO	NO	
PFK	idKarty		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
maSpektrumFoto	Non-identifying	Mereni	Prilohy	1:N
poskytujeMetody	Identifying	Metody	Mereni	1:N
autorMereni	Identifying	Uzivatele	Mereni	1:N
kartaMaMereni	Identifying	Karty	Mereni	1:N
MereniMaHodnoty	Identifying	Mereni	Hodnoty	1:N

Keys

Type	Full Name	Attributes
PK	Key8	idMereni, idUzivatel, idMetody, idKarty
AK	idMereni	idMereni

Entity 'Metody'

Caption	Metody
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key7'

Attribute		Type	Parent Entity					
idMetody		PK	-----					
idUzivatel		PFK	Uzivatele					
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idMetody		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(300)	YES	YES	NO	NO	
	poznámka		Text	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
	datum		Datetime	YES	NO	NO	YES	
	fotoSpektrum		Bool	YES	NO	NO	YES	
	hodnoty		Bool	YES	NO	NO	YES	
	priloha		Bool	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
poskytujeMetody	Identifying	Metody	Mereni	1:N
autorMetody	Identifying	Uzivatele	Metody	1:N

Keys

Type	Full Name	Attributes
PK	Key7	idMetody, idUzivatel
AK	idKraj	idMetody
AK	nazev	nazev

Entity 'MineralniFaze'

Caption	MineralniFaze
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key31'

Attribute		Type	Parent Entity					
idMineralniFaze		PK	-----					
idUzivatel		PFK	Uzivatele					
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idMineralniFaze		Int(11)	YES	NO	NO	NO	
	nazev		Varchar(300)	YES	NO	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
	datum		Datetime	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorMineralniFaze	Identifying	Uzivatele	MineralniFaze	1:N
kartaMaMineralniFazi	Identifying	MineralniFaze	Karty	1:N

Entity 'Opravneni'

Caption	Opravneni
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key19'

Attribute		Type	Parent Entity					
idOpravneni		PK	-----					
idUzivatel		PFK	Uzivatele					
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idOpravneni		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	YES	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
	platnost		Bool	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorOpraveni	Identifying	Uzivatele	Opraveni	1:N
maOpraveni2	Identifying	Opraveni	SpojениUzivatelOpravneni	1:N

Keys

Type	Full Name	Attributes
PK	Key19	idOpraveni, idUzivatel
AK	idOpraveni	idOpraveni
AK	nazev	nazev

Entity 'Prilohy'

Caption	Prilohy
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key15'

Attribute		Type	Parent Entity					
idPrilohy		PK	-----					
idUzivatel		PFK	Uzivatele					
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idPrilohy		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
	nazevSoubor		Varchar(100)	YES	NO	NO	NO	
	typSoubor		Varchar(100)	YES	NO	NO	NO	
	obsahSoubor		Longblob	YES	NO	NO	NO	
FK	idKarty		Int(11)	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
FK	idMereni		Int(11)	NO	NO	NO	NO	
	typPrilohy		Int(11)	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
maSpektrumFoto	Non-identifying	Mereri	Prilohy	1:N
autorPrilohy	Identifying	Uzivatele	Prilohy	1:N
maPrilohy	Non-identifying	Karty	Prilohy	1:N

Keys

Type	Full Name	Attributes
PK	Key15	idPrilohy, idUzivatel
AK	idPrilohy	idPrilohy

Indexes

Full Name	Attributes	Unique
IX_Relationship16	idMereni	NO
IX_maPrilohy	idKarty, idKarty, idKarty	NO

Entity 'SpojeniUzivatelOpravneni'

Caption	Spojenuzivatelopravneni
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key20'

Attribute				Type	Parent Entity				
idUzivatel				PFK	Uzivatele				
idOpravneni				PFK	Opravneni				
idUzivatelAutor				PFK	Uzivatele				
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO		
	datum		Datetime	YES	NO	NO	YES		
	platnost		Bool	YES	NO	NO	YES		
PFK	idOpravne ni		Int(11)	YES	NO	NO	NO		
PFK	idUzivatel Autor		Int(11)	YES	NO	NO	NO		

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
maOpravneni1	Identifying	Uzivatele	Spojenuzivatelopravneni	1:N
maOpravneni2	Identifying	Opravneni	Spojenuzivatelopravneni	1:N
autorSpojeniUzivatelOpravneni	Identifying	Uzivatele	Spojenuzivatelopravneni	1:N

Entity 'Uzivatele'

Caption	Uzivatele
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key18'

Attribute				Type	Parent Entity			
idUzivatel				PK	-----			
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idUzivatel		Int(11)	YES	YES	NO	NO	
	jmeno		Varchar(100)	YES	NO	NO	NO	
	heslo		Varchar(100)	YES	NO	NO	NO	
	datumZalozeni		Datetime	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
FK	FK_idUzivatel		Int(11)	NO	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorMereni	Identifying	Uzivatele	Mereni	1:N
autorMetody	Identifying	Uzivatele	Metody	1:N
autorHodnoty	Identifying	Uzivatele	Hodnoty	1:N
autorPrilohy	Identifying	Uzivatele	Prilohy	1:N
autorKarty	Identifying	Uzivatele	Karty	1:N
maOpravneni1	Identifying	Uzivatele	SpojeniUzivatelOpravneni	1:N
autorOpravneni	Identifying	Uzivatele	Opravneni	1:N
autorUzivatele	Non-identifying	Uzivatele	Uzivatele	1:N
autorSpojeniUzivatelOpravneni	Identifying	Uzivatele	SpojeniUzivatelOpravneni	1:N
autorMineralniFaze	Identifying	Uzivatele	MineralniFaze	1:N

Keys

Type	Full Name	Attributes
PK	Key18	idUzivatel
AK	idUzivatel	idUzivatel

Indexes

Full Name	Attributes	Unique
IX_Relationship8	FK_idUzivatel	NO

¹⁾Not Null²⁾Unique³⁾Check⁴⁾Default

Attribute Report

Full Name	Entity	Domain	Data Type	PK	FK
datum	Hodnoty		Datetime	NO	NO
idHodnoty	Hodnoty		Int(11)	YES	NO
idMereni	Hodnoty		Int(11)	YES	YES
idUzivatel	Hodnoty		Int(11)	YES	YES
x	Hodnoty		Float	NO	NO
y	Hodnoty		Float	NO	NO
datum	Karty		Datetime(0)	NO	NO
gpsX	Karty		Double	NO	NO
gpsY	Karty		Double	NO	NO
idKarty	Karty		Int(11)	YES	NO
idMineralniFaze	Karty		Int(11)	YES	YES
idUzivatel	Karty		Int(11)	YES	YES
lokalita	Karty		Text	NO	NO
nazev	Karty		Varchar(500)	NO	NO
platnost	Karty		Bool	NO	NO
popis	Karty		Text	NO	NO
poznamka	Karty		Text	NO	NO
presnost	Karty		Double	NO	NO
datum	Mereni		Datetime	NO	NO
idKarty	Mereni		Int(11)	YES	YES
idMereni	Mereni		Int(11)	YES	NO
idMetody	Mereni		Int(11)	YES	YES
idUzivatel	Mereni		Int(11)	YES	YES
platnost	Mereni		Bool	NO	NO
poznamka	Mereni		Text	NO	NO
datum	Metody		Datetime	NO	NO
fotoSpektrum	Metody		Bool	NO	NO
hodnoty	Metody		Bool	NO	NO
idMetody	Metody		Int(11)	YES	NO
idUzivatel	Metody		Int(11)	YES	YES
nazev	Metody		Varchar(300)	NO	NO
platnost	Metody		Bool	NO	NO
poznamka	Metody		Text	NO	NO
priloha	Metody		Bool	NO	NO
datum	MineralniFaze		Datetime	NO	NO
idMineralniFaze	MineralniFaze		Int(11)	YES	NO
idUzivatel	MineralniFaze		Int(11)	YES	YES
nazev	MineralniFaze		Varchar(300)	NO	NO
platnost	MineralniFaze		Bool	NO	NO
poznamka	MineralniFaze		Text	NO	NO
datum	Opraveni		Datetime	NO	NO
idOpraveni	Opraveni		Int(11)	YES	NO
idUzivatel	Opraveni		Int(11)	YES	YES
nazev	Opraveni		Varchar(100)	NO	NO
platnost	Opraveni		Bool	NO	NO
poznamka	Opraveni		Text	NO	NO
datum	Prilohy		Datetime	NO	NO
idKarty	Prilohy		Int(11)	NO	YES
idMereni	Prilohy		Int(11)	NO	YES

idPrilohy	Prilohy		Int(11)	YES	NO
idUzivatel	Prilohy		Int(11)	YES	YES
nazev	Prilohy		Varchar(100)	NO	NO
nazevSoubor	Prilohy		Varchar(100)	NO	NO
obsahSoubor	Prilohy		Longblob	NO	NO
platnost	Prilohy		Bool	NO	NO
typPrilohy	Prilohy		Int(11)	NO	NO
typSoubor	Prilohy		Varchar(100)	NO	NO
datum	SpojeniUzivatelOpravne ni		Datetime	NO	NO
idOpravneni	SpojeniUzivatelOpravne ni		Int(11)	YES	YES
idUzivatel	SpojeniUzivatelOpravne ni		Int(11)	YES	YES
idUzivatelAutor	SpojeniUzivatelOpravne ni		Int(11)	YES	YES
platnost	SpojeniUzivatelOpravne ni		Bool	NO	NO
datum	Uzivatele		Datetime	NO	NO
datumZalozeni	Uzivatele		Datetime	NO	NO
FK_idUzivatel	Uzivatele		Int(11)	NO	YES
heslo	Uzivatele		Varchar(100)	NO	NO
idUzivatel	Uzivatele		Int(11)	YES	NO
jmeno	Uzivatele		Varchar(100)	NO	NO
platnost	Uzivatele		Bool	NO	NO

Attribute 'datum'

Caption	datum
Entity	Hodnoty
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idHodnoty'

Caption	idHodnoty
Entity	Hodnoty
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'idMereni'

Caption	idMereni		
Entity	Hodnoty		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Mereni, Mereni, Mereni, Mereni
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Hodnoty		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'x'

Caption	x
Entity	Hodnoty
Primary Key	NO
Foreign Key	NO
Data Type	Float
Not Null	YES
Unique	NO

Attribute 'y'

Caption	y
Entity	Hodnoty
Primary Key	NO
Foreign Key	NO
Data Type	Float
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity	Karty
Primary Key	NO
Foreign Key	NO
Data Type	Datetime(0)
Not Null	YES
Unique	NO

Attribute 'gpsX'

Caption	gpsX
Entity	Karty
Primary Key	NO
Foreign Key	NO
Data Type	Double
Not Null	NO
Unique	NO

Attribute 'gpsY'

Caption	gpsY
Entity	Karty
Primary Key	NO
Foreign Key	NO
Data Type	Double
Not Null	NO
Unique	NO

Attribute 'idKarty'

Caption	idKarty
Entity	Karty
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute Properties

Autoincrement	YES
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Attribute 'idMineralniFaze'

Caption	idMineralniFaze		
Entity	Karty		
Primary Key	YES		
Foreign Key	YES	Parent Entity	MineralniFaze, MineralniFaze
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Karty		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'lokalita'

Caption	lokalita		
Entity	Karty		
Primary Key	NO		
Foreign Key	NO		
Data Type	Text		
Not Null	NO		
Unique	NO		

Attribute 'nazev'

Caption	nazev		
Entity	Karty		
Primary Key	NO		
Foreign Key	NO		
Data Type	Varchar(500)		
Not Null	YES		
Unique	NO		

Attribute 'platnost'

Caption	platnost		
Entity	Karty		
Primary Key	NO		
Foreign Key	NO		
Data Type	Bool		
Not Null	YES		
Unique	NO		

Attribute 'popis'

Caption	popis
Entity	Karty
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'poznanka'

Caption	poznanka
Entity	Karty
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'presnost'

Caption	presnost
Entity	Karty
Primary Key	NO
Foreign Key	NO
Data Type	Double
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity	Mereni
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idKarty'

Caption	idKarty		
Entity	Mereni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Karty, Karty, Karty
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idMereni'

Caption	idMereni
Entity	Mereni
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'idMetody'

Caption	idMetody		
Entity	Mereni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Metody, Metody
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Mereni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'platnost'

Caption	platnost
Entity	Mereni
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'poznamka'

Caption	poznamka
Entity	Mereni
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity	Metody
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'fotoSpektrum'

Caption	fotoSpektrum
Entity	Metody
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'hodnoty'

Caption	hodnoty
Entity	Metody
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'idMetody'

Caption	idMetody
Entity	Metody
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Metody		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev		
Entity	Metody		
Primary Key	NO		
Foreign Key	NO		
Data Type	Varchar(300)		
Not Null	YES		
Unique	YES		

Attribute 'platnost'

Caption	platnost		
Entity	Metody		
Primary Key	NO		
Foreign Key	NO		
Data Type	Bool		
Not Null	YES		
Unique	NO		
Default	1		

Attribute 'poznamka'

Caption	poznamka		
Entity	Metody		
Primary Key	NO		
Foreign Key	NO		
Data Type	Text		
Not Null	NO		
Unique	NO		

Attribute 'priloha'

Caption	priloha		
Entity	Metody		
Primary Key	NO		
Foreign Key	NO		
Data Type	Bool		
Not Null	YES		
Unique	NO		
Default	1		

Attribute 'datum'

Caption	datum
Entity	MineralniFaze
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idMineralniFaze'

Caption	idMineralniFaze
Entity	MineralniFaze
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute Properties

Autoincrement	YES
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Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	MineralniFaze		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev
Entity	MineralniFaze
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(300)
Not Null	YES
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity	MineralniFaze
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'poznamka'

Caption	poznamka
Entity	MineralniFaze
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity	Opravneni
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idOpravneni'

Caption	idOpravneni
Entity	Opravneni
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
----------------------	-----

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Opravneni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev
Entity	Opravneni
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	YES

Attribute 'platnost'

Caption	platnost
Entity	Opraveni
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'poznamka'

Caption	poznamka
Entity	Opraveni
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idKarty'

Caption	idKarty		
Entity	Prilohy		
Primary Key	NO		
Foreign Key	YES	Parent Entity	Karty, Karty, Karty
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idMereni'

Caption	idMereni		
Entity	Prilohy		
Primary Key	NO		
Foreign Key	YES	Parent Entity	Mereni
Data Type	Int(11)		
Not Null	NO		
Unique	NO		

Attribute 'idPrilohy'

Caption	idPrilohy
Entity	Prilohy
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
----------------------	-----

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Prilohy		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev
Entity	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'nazevSoubor'

Caption	nazevSoubor
Entity	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'obsahSoubor'

Caption	obsahSoubor
Entity	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Longblob
Not Null	YES
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'typPrilohy'

Caption	typPrilohy
Entity	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Int(11)
Not Null	NO
Unique	NO

Attribute 'typSoubor'

Caption	typSoubor
Entity	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity	SpojeniUzivatelOpraveni
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idOpraveni'

Caption	idOpravneni		
Entity	SpojeniUzivatelOpravneni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Opravneni
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	SpojeniUzivatelOpraveni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatelAutor'

Caption	idUzivatelAutor		
Entity	SpojeniUzivatelOpraveni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'platnost'

Caption	platnost		
Entity	SpojeniUzivatelOpraveni		
Primary Key	NO		
Foreign Key	NO		
Data Type	Bool		
Not Null	YES		
Unique	NO		
Default	1		

Attribute 'datum'

Caption	datum		
Entity	Uzivatele		
Primary Key	NO		
Foreign Key	NO		
Data Type	Datetime		
Not Null	YES		
Unique	NO		

Attribute 'datumZalozeni'

Caption	datumZalozeni		
Entity	Uzivatele		
Primary Key	NO		
Foreign Key	NO		
Data Type	Datetime		
Not Null	YES		
Unique	NO		

Attribute 'FK_idUzivatel'

Caption	Foreign idUzivatel		
Entity	Uzivatele		
Primary Key	NO		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	NO		
Unique	NO		

Attribute 'heslo'

Caption	heslo
Entity	Uzivatele
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'idUzivatel'

Caption	idUzivatel
Entity	Uzivatele
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
----------------------	-----

Attribute 'jmeno'

Caption	jmeno
Entity	Uzivatele
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity	Uzivatele
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Key Report

Type	Full Name	Entity
AK	idHodnoty	Hodnoty
PK	Key12	Hodnoty
PK	Key21	Karty
AK	idMereni	Mereni
PK	Key8	Mereni
AK	idKraj	Metody
PK	Key7	Metody
AK	nazev	Metody
PK	Key31	MineralniFaze
AK	idOpraveni	Opraveni
PK	Key19	Opraveni
AK	nazev	Opraveni
AK	idPrilohy	Prilohy
PK	Key15	Prilohy
PK	Key20	SpojeniUzivatelOpraveni
AK	idUzivatel	Uzivatele
PK	Key18	Uzivatele

Key 'idHodnoty'

Caption	idHodnoty		
Type	Alternate Key		
Entity	Hodnoty		
Attribute	Order	Foreign Key	
idHodnoty	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key12'

Caption	Key12		
Type	Primary Key		
Entity	Hodnoty		
Attribute	Order	Foreign Key	
idHodnoty	ASC	NO	
idUzivatel	ASC	YES	
idMereni	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key21'

Caption	Key21		
Type	Primary Key		
Entity	Karty		
Attribute	Order	Foreign Key	
idKarty	ASC	NO	
idUzivatel	ASC	YES	
idMineralniFaze	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'idMereni'

Caption	idMereni		
Type	Alternate Key		
Entity	Mereni		
Attribute	Order	Foreign Key	
idMereni	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key8'

Caption	Key8		
Type	Primary Key		
Entity	Mereni		
Attribute	Order	Foreign Key	
idMereni	ASC	NO	
idUzivatel	ASC	YES	
idMetody	ASC	YES	
idKarty	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'idKraj'

Caption	idKraj		
Type	Alternate Key		
Entity	Metody		
Attribute	Order	Foreign Key	
idMetody	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key7'

Caption	Key7		
Type	Primary Key		
Entity	Metody		
Attribute	Order	Foreign Key	
idMetody	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'nazev'

Caption	nazev		
Type	Alternate Key		
Entity	Metody		
Attribute	Order	Foreign Key	
nazev	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key31'

Caption	Key31		
Type	Primary Key		
Entity	MineralniFaze		
Attribute	Order	Foreign Key	
idMineralniFaze	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'idOpravneni'

Caption	idOpravneni		
Type	Alternate Key		
Entity	Opravneni		
Attribute	Order	Foreign Key	
idOpravneni	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key19'

Caption	Key19		
Type	Primary Key		
Entity	Opravneni		
Attribute	Order	Foreign Key	
idOpravneni	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'nazev'

Caption	nazev		
Type	Alternate Key		
Entity	Opravneni		
Attribute	Order	Foreign Key	
nazev	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'idPrilohy'

Caption	idPrilohy		
Type	Alternate Key		
Entity	Prilohy		
Attribute	Order	Foreign Key	
idPrilohy	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key15'

Caption	Key15		
Type	Primary Key		
Entity	Prilohy		
Attribute	Order	Foreign Key	
idPrilohy	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'Key20'

Caption	Key20		
Type	Primary Key		
Entity	SpojeniUzivatelOpravneni		
Attribute	Order	Foreign Key	
idUzivatel	ASC	YES	
idOpravneni	ASC	YES	
idUzivatelAutor	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'idUzivatel'

Caption	idUzivatel		
Type	Alternate Key		
Entity	Uzivatele		
Attribute	Order	Foreign Key	
idUzivatel	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key18'

Caption	Key18		
Type	Primary Key		
Entity	Uzivatele		
Attribute	Order	Foreign Key	
idUzivatel	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Index Report

Full Name	Unique	Entity
IX_maPrilohy	NO	Prilohy
IX_Relationship16	NO	Prilohy
IX_Relationship8	NO	Uzivatele

Index 'IX_maPrilohy'

Caption	IX_maPrilohy			
Entity	Prilohy			
Unique	NO			
Attribute	Order	Primary Key	Foreign Key	
idKarty	ASC	NO	YES	
idKarty	ASC	NO	YES	
idKarty	ASC	NO	YES	

Index Properties

Index Type	Default
-------------------	---------

Index 'IX_Relationship16'

Caption	IX_Relationship16			
Entity	Prilohy			
Unique	NO			
Attribute	Order	Primary Key	Foreign Key	
idMereni	ASC	NO	YES	

Index Properties

Index Type	Default
-------------------	---------

Index 'IX_Relationship8'

Caption	IX_Relationship8			
Entity	Uzivatele			
Unique	NO			
Attribute	Order	Primary Key	Foreign Key	
FK_idUzivatel	ASC	NO	YES	

Index Properties

Index Type	Default
-------------------	---------

Relationship Report

Full Name	Type	Parent Entity	Child Entity	Card.
autorHodnoty	Identifying	Uzivatele	Hodnoty	1:N
autorKarty	Identifying	Uzivatele	Karty	1:N
autorMereni	Identifying	Uzivatele	Mereni	1:N
autorMetody	Identifying	Uzivatele	Metody	1:N
autorMineralniFaze	Identifying	Uzivatele	MineralniFaze	1:N
autorOpravneni	Identifying	Uzivatele	Opravneni	1:N
autorPrilohy	Identifying	Uzivatele	Prilohy	1:N
autorSpojeniUzivatelOpravneni	Identifying	Uzivatele	SpojениUzivatelOpravneni	1:N
autorUzivatele	Non-identifying	Uzivatele	Uzivatele	1:N
kartaMaMereni	Identifying	Karty	Mereni	1:N
kartaMaMineralniFazi	Identifying	MineralniFaze	Karty	1:N
maOpravneni1	Identifying	Uzivatele	SpojениUzivatelOpravneni	1:N
maOpravneni2	Identifying	Opravneni	SpojениUzivatelOpravneni	1:N
maPrilohy	Non-identifying	Karty	Prilohy	1:N
maSpektrumFoto	Non-identifying	Mereni	Prilohy	1:N
MereniMaHodnoty	Identifying	Mereni	Hodnoty	1:N
poskytujeMetody	Identifying	Metody	Mereni	1:N

Relationship 'autorHodnoty'

Caption	autorHodnoty		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Hodnoty		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorKarty'

Caption	autorKarty		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Karty		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorMereni'

Caption	autorMereni		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Mereni		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorMetody'

Caption	autorMetody		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Metody		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorMineralniFaze'

Caption	autorMineralniFaze		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	MineralniFaze		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorOpravneni'

Caption	autorOpravneni		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Opravneni		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorPrilohy'

Caption	autorPrilohy		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Prilohy		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorSpojeniUzivatelOpravneni'

Caption	autorSpojeniUzivatelOpravneni		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	SpojeniUzivatelOpravneni		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorUzivatele'

Caption	autorUzivatele		
Type	Non-identifying	Cardinality	1:N
Mandatory Parent	NO		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Uzivatele		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key18'	idUzivatel	Key18

Relationship 'kartaMaMereni'

Caption	kartaMaMereni		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Karty		
Child Entity	Mereni		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key21'	idKarty	Key21
	idUzivatel	Key21
	idMineralniFaze	Key21

Relationship 'kartaMaMineralniFazi'

Caption	kartaMaMineralniFazi		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	MineralniFaze		
Child Entity	Karty		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key31'	idMineralniFaze	Key31
	idUzivatel	Key31

Relationship 'maOpravneni1'

Caption	maOpravneni1		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	SpojeniUzivatelOpravneni		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key18'	idUzivatel	Key18

Relationship 'maOpravneni2'

Caption	maOpravneni2		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Opravneni		
Child Entity	SpojeniUzivatelOpravneni		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idOpravneni'	idOpravneni	idOpravneni

Relationship 'maPrilohy'

Caption	maPrilohy		
Type	Non-identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Karty		
Child Entity	Prilohy		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key21'	idKarty	Key21
	idUzivatel	Key21
	idMineralniFaze	Key21

Relationship 'maSpektrumFoto'

Caption	maSpektrumFoto		
Type	Non-identifying	Cardinality	1:N
Mandatory Parent	NO		
Mandatory Child	NO		
Parent Entity	Mereni		
Child Entity	Prilohy		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idMereni'	idMereni	idMereni

Relationship 'MereniMaHodnoty'

Caption	MereniMaHodnoty		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Mereni		
Child Entity	Hodnoty		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key8'	idMereni	Key8
	idUzivatel	Key8
	idMetody	Key8
	idKarty	Key8

Relationship 'poskytujeMetody'

Caption	poskytujeMetody		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Metody		
Child Entity	Mereni		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key7'	idMetody	Key7
	idUzivatel	Key7

Statistic Information

Entities	9				
Attributes	69				
Domains	0				
User Data Types	0				
Relationships	17	Identifying	14	Non-identifying	3
Indexes	3				
Keys	17	Primary Keys	9	Alternate Keys	8
Entity Triggers	0				
Views	0				
View Relationships	0				
Procedures	0				
Functions	0				
Defaults	0				
Databases	0				
Users	0				
User Groups	0				
Notes	0				